

Appendix A

Site Assessment Data Sheets

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County, Combie Ophir 4 Canal at Anwood Rd.
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND: NA

Size: _____

Maximum depth: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: 4 feet
Depth at bank full: 2 feet
Stream gradient: 1%

Are there pools (circle one)? YES (NO)

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: Run and riffle.

Vegetation: emergent, overhanging, dominant species: Aquatic grasses at top of bank, overhanging Himalayan blackberry, and Arroyo willow, and overstory of white alder.

Substrate: Medium rock and gravel.

Bank description: Aquatic grasses at top of bank nearest water, non-native upland grasses and forbs along remainder of west bank, and riparian trees and shrubs along eastern bank.

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Canal contained fast flowing water during site assessment.
Canal is located in rural residential area with patches of oak woodland.
About 1,000 feet southwest of this location the canal
banks consist of bare ground.

photo = #10

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County, Private Ditch in Project Area
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: _____

Maximum depth: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: 4'-5'
Depth at bank full: 2'-3'
Stream gradient: 21%

Are there pools (circle one)? YES ☒ NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: Glide, slow to still during site visit

Vegetation: emergent, overhanging, dominant species: Emergent aquatic grasses, overhanging blackberry

Substrate: Silty clay

Bank description: moderately sloped down to bed + aquatic + upland species along bank

☒ Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Tree frog juveniles + tadpoles observed.

Most of ditch on private property.

Uplands - mixed oak pine woodland, non-native annual grasslands, + rural residences.

Photos 21 + 22

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County, Branch 1 of Combie Ophir 4 Canal at Bell and Olympic Way
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND: NA

Size: _____

Maximum depth: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:Bank full width: 3-4 feetDepth at bank full: 1-2 feetStream gradient: <1%Are there pools (circle one)? YES (NO)

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: Run + glideVegetation: emergent, overhanging, dominant species: Aquatic grasses in channel and along top of bank slope.Substrate: Bottom of channel covered with vegetation. - silt/clayBank description: Moderately sloped, covered in aquatic grasses, and contains large clump of cottonwoods and willows at northern-most portion and scattered cottonwoods and willows along the more southern portions.Perennial or (Ephemeral) (circle one). If ephemeral, date it goes dry: Dry on August 21, 2007

Other aquatic habitat characteristics, species observations, drawings, or comments:

Canal branch flows into a large inaccessible private pond located north of Atwood Road.

Uplands = non-native annual grasslands, residences + businesses, + pasture

Photo = #11

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County, Branch 2 of Combie Ophir 4 Canal at 1st and E Ave.
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND: NA

Size: _____

Maximum depth: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: 4 feet

Depth at bank full: 2 feet

Stream gradient: <1%

Are there pools (circle one)? YES **NO**

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: Glide.

Vegetation: emergent, overhanging, dominant species: Emergent aquatic plants present in channel.

Substrate: Medium rocks and gravel.

Bank description: Moderately sloped, covered in upland grasses and forbs.

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Canal located in commercial development area along paved road,

Construction occurring near channel,

Uplands - non-native annual grasslands & large parking lots & businesses.

photos = #s 12 and 13

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County Drainage along Atwood Rd near Pond 1
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

- 1) Is this site within the current or historic range of the CRF (circle one)? YES NO
- 2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: _____

Maximum depth: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:Bank full width: 2-3 feetDepth at bank full: 1 footStream gradient: 4.9%Are there pools (circle one)? (YES) NO

If yes,

Size of stream pools: 150 x 5 feetMaximum depth of stream pools: 1 footCharacterize non-pool habitat: run, riffle, glide, other: GlideVegetation: emergent, overhanging, dominant species: Cattail, Himalayan blackberry, aquatic grasses, Cotton woods, and Arroyo willow.Substrate: Rock and Clay soilBank description: Covered in Himalayan blackberry and aquatic grasses.Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: Probably September or October

Other aquatic habitat characteristics, species observations, drawings, or comments:

Drainage runs along Atwood + crosses under west of Pond 1, flowing into low spot to south + barely visible from road on private property. May receive water from pond not visible to north behind the jail.

Uplands - residences, the jail, major paved road, + patches of non-native annual grasses.

Photos = #s 3 and 4

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location:

Placer County Drainage #2 along Atwood Rd.
(County, General location name, UTM Coordinates or Lat./Long. or T-RS).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES ☒ NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES ☒ NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: _____

Maximum depth: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: _____
Depth at bank full: _____
Stream gradient: _____

} couldn't see due to
vegetation + lack of access

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: run + riffle (likely)

Vegetation: emergent, overhanging, dominant species: Dense blackberry
south of Atwood + cattail + aquatic grasses
north of Atwood

Substrate: silt / clay

Bank description: Not visible due to vegetation

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: Spring?

No water during visit.

Other aquatic habitat characteristics, species observations, drawings, or comments:

- water likely flows from pond not visible through vegetation to the north of Atwood.
- Drainage of private property + little visibility from road.
- Uplands = residential development + some non-native annual grasslands + pine-oak woodlands.

photos 5 + 6

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County, Rock Creek at Joeger Road
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND: NA

Size: _____

Maximum depth: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: 10 feet
Depth at bank full: 2 feet
Stream gradient: 1-2 %

Are there pools (circle one)? YES (NO)

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: Run and riffle.

Vegetation: emergent, overhanging, dominant species: Himalayan blackberry, aquatic grasses, and willow. Canopy = ~~oak~~ valley + blue oak + pine.

Substrate: medium rock and silty clay soil.

Bank description: Covered in aquatic grasses and Himalayan blackberry, only slightly sloped.

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Fast flowing water observed on site assessment + date.

Uplands = pine - oak woodland + scattered residences

Located on private property.

photos = #s 7 and 8

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County, Drainage to Gold Hill Canal at Meadowbrook Dr.
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: _____

Maximum depth: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: _____

Depth at bank full: _____

Stream gradient: _____

} unknown

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: unknown

Vegetation: emergent, overhanging, dominant species: Dense blackberry covering stream banks + channel

Substrate: _____

Bank description: _____

unknown

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: Shortly after rainy season.

Other aquatic habitat characteristics, species observations, drawings, or comments:

Small portion of creek accessible, but completely covered in blackberry. No open areas with water observed + unable to see channel or banks to describe most of characteristics.

Uplands = urban/residential + non-native grasslands + riparian forest.

On private property - likely unable to survey.

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: _____

Placer Co. Drainage at Kemper Rd.
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

- 1) Is this site within the current or historic range of the CRF (circle one)? YES NO
- 2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: _____

Maximum depth: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: _____

Depth at bank full: _____

Stream gradient: _____

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Bank description: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Seasonal Wetland along both sides of Rd.

Other aquatic habitat characteristics, species observations, drawings, or comments:

Drainage uplands = riparian forest
choked in cattail, wild-grape, + willow.

On south side of road - no open water.

On north side of road - covered aquatic grasses,
blackberry, + willow. Some areas with 1"-2"
water.Mostly private land + not viewable from road to
survey.

Photos 14 + 15.

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location:

Placer County, Channel at Moran Ct.

(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO

If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: _____

Maximum depth: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: 1-2'
Depth at bank full: 1.5'
Stream gradient: 1.50

Are there pools (circle one)? YES (NO)

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: run + riffle

Vegetation: emergent, overhanging, dominant species: A few patches of cattails + aquatic grasses in channel

Substrate: silt + gravel

Bank description: Moderate to steep with upland species covering them

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Small fish observed in channel.

This channel feeds into pond 12 and then flows out it to the north.

Northwest of Moran Ct - channel unviewable due to dense vegetation (blackberry mostly).
Remainder on private land + only observable from roads in short sections.

Photos 30 + 32

Uplands = pasture, non-native grasslands, oak woodland + rural residences

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County North Ravine at Mt. Vernon Rd.
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO

If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: _____

Maximum depth: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: 20'
Depth at bank full: 4'-5'
Stream gradient: 21%

Are there pools (circle one)? YES ☒ NO ☐

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: glide

Vegetation: emergent, overhanging, dominant species: overhanging blackberry + emergent aquatic grasses

Substrate: Medium-sized rock + silty clay

Bank description: Covered in blackberry - cannot see

☒ **Perennial** or **Ephemeral** (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Only access at road crossing.
Dense vegetation along both sides of road
makes it hard to see upstream or downstream.

Remainder of drainage on private property.

Uplands - non-native annual grasslands, +
rural residences

Photos 27 + 28

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County Doty Ravine at Forster Rd.
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: _____

Maximum depth: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: 3'-4'
Depth at bank full: 2'-3'
Stream gradient: 1-2%

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: riffle + run

Vegetation: emergent, overhanging, dominant species: black berry overhanging
with white alder, fig, cottonwood, + willow; in the canopy
Banks = aquatic grasses

Substrate: Medium-sized rock + silty clay

Bank description: Undercut banks with exposed tree roots. Banks moderately vegetated.

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Accessed site at the edge of 1-mile boundary
as remainder of drainage on private lands.

uplands = dense riparian forest + rural
residences

Photos 33 + 34

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County, Private pond south of Atwood Road (Pond 1)
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: 450 x 300 feet

Maximum depth: 8-10 feet?

Vegetation: emergent, overhanging, dominant species: False loosestrife, cattail, Himalayan blackberry, weeping willow, cottonwood, interior live oak, and algal covering pond surface.

Substrate: silty clay?

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM: NA

Bank full width: _____

Depth at bank full: _____

Stream gradient: _____

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Bank description: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Observed fish, turtles, mallards, and great egret at pond.
Pond located in commercial / residential area, with
paved roads, houses, businesses, + a few vacant
lots of non-native annual grasses.

Photos = #s 1 and 2

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County, Pond 2 - North of Shanley
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: 300' x 150'

Maximum depth: 6'-8'
estimated

Vegetation: emergent, overhanging, dominant species: Cattails + aquatic
grasses emergent + along banks. Cottonwoods growing
along one side (between road + pond) obscuring

Substrate: silt

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: _____

Depth at bank full: _____

Stream gradient: _____

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Bank description: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Pond barely visible from road as stand
of cottonwoods blocking it.

Will not be able to survey from road +
located on private property.

Uplands = non-native grasslands + scattered
houses + oak woodland

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County, Ponds 3-6 at intersection of Mt. Vernon Rd
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S). + Old Post Ln.

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND: Pond 3 - 25' x 25' Pond 3 - 8'
Pond 4 - 200' x 100' Pond 4 - 10'
Size: Pond 5 - 300' x 150' Maximum depth: Pond 5 - 10'
Pond 6 - 150' x 100' (estimated) Pond 6 - 8'
Vegetation: emergent, overhanging, dominant species: Ponds 3-5 = cattail
aquatic grasses, black berry, + willow. Pond 6 - patches
of upland grasses, mostly dirt. All ponds covered in algae.
Substrate: likely clay bottom

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: _____

Depth at bank full: _____

Stream gradient: _____

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Bank description: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Goats on property.

Great egret + Canada geese observed.

On private property - some portions, but not
all of ponds visible from road.Uplands = pasturelands, house + barn, and
across road mixed oak-pine woodlands

Photos #17-20

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County, Ponds 7+8 North of Mt. Vernon Rd.
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: Pond 7 - 200' x 100'
Pond 8 - 50' x 25'

Maximum depth: 3'-4'
(both)

Vegetation: emergent, overhanging, dominant species: Mostly upland
along Pond 8; blackberry, some aquatic grasses,
+ upland vegetation along Pond 7

Substrate: silty clay

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: _____

Depth at bank full: _____

Stream gradient: _____

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Bank description: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Uplands = horse pasture, barns + rural residential. Also house with vineyard
Ponds on private property. Most of ponds visible from road, but not all.

Photos 23 + 24

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County, Ponds 9 + 10 south of Mt. Vernon Rd.
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: Pond 9 - 350' x 100' Pond 10 - 100' x 50' Maximum depth: Pond 9 - 8', Pond 10 - 6'
(estimated)

Vegetation: emergent, overhanging, dominant species: Pond 10 - aquatic grasses
+ loosestrife
Pond 9 - aquatic grasses, 1 weeping willow

Substrate: silty clay?

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: _____

Depth at bank full: _____

Stream gradient: _____

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Bank description: _____

Perennial or Ephemeral (*circle one*). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Ponds located on private property
Most but not all of ponds visible from road.

Uplands = rural residences + barns, non-native
annual grasslands + pasture with
scattered oaks + conifers

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County, Pond 11 West of Moran Ct.
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO

If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: 75' x 50'

Maximum depth: 4'5'

Vegetation: emergent, overhanging, dominant species: Surrounded by mowed upland grasses

Substrate: Silt, clay ?

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: _____

Depth at bank full: _____

Stream gradient: _____

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Bank description: _____

Perennial or Ephemeral (*circle one*). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Stock pond near barn on private rural
residential property. (= uplands).

North of Ophir Canal.

On private property - but can see most of pond
from road.

Photo # 29

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County Pond 12 South of Moran Ct.
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: 200' x 150'

Maximum depth: 8'
(estimated)

Vegetation: emergent, overhanging, dominant species: Cattails + aquatic grasses with willow stand at southern end.

Substrate: Silty clay

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: _____

Depth at bank full: _____

Stream gradient: _____

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Bank description: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Fed by channel at south end + flows out of pipe into a channel at the north end.

On private property. Portions visible from road, but not all of pond.

Photo 31

uplands - oak woodland, rural residence, + non-native annual

grasslands

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County, Pond 13 south of Coe Field Rd
(County, General location/name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: 50' x 30'

Maximum depth: 4'
estimated

Vegetation: emergent, overhanging, dominant species: Cattail + aquatic grasses + willow + blackberry on banks.

Substrate: silt + clay

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: _____

Depth at bank full: _____

Stream gradient: _____

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Bank description: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

On private property + long distance from road. Cannot be adequately surveyed from road.

uplands = non-native annual grasslands + rural residence

Photo #38

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location: Placer County, Pond 14 West of Longwood Rd.
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: 150' x 75'

Maximum depth: 6'

Vegetation: emergent, overhanging, dominant species: Cattail + aquatic
grasses along edges Cotton woods + oaks
upslope.

Substrate: silt/clay

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: _____

Depth at bank full: _____

Stream gradient: _____

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Bank description: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

On private property + long distance from road. Couldn't survey from road.

Uplands = pasture + rural residences.

Photo 39

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location:

Placer County Pond 15 + 16 Northwest of Longwood Rd.
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

****ATTACH A MAP** (include habitat types, important features, and species locations)**

Proposed project name: Mount Vernon Siphon Project

Brief description of proposed action: The Nevada Irrigation District (NID) is proposing to construct a new water pipeline that will be used to convey irrigation water that currently flows through the Combie Ophir 4 Canal which has very limited access for ditch maintenance. The water pipeline will be constructed of 30-inch diameter pipe. The approximate total length of the water pipeline is 3,500 linear feet. The water pipeline will be located along private parcels and roadways including Vista Roble Drive and Mount Vernon Road. Along the private parcels, a gravel road will be constructed over the water pipeline for access and maintenance.

1) Is this site within the current or historic range of the CRF (circle one)? YES NO

2) Are there known records of CRF within 1.6 km (1 mi) of the site (circle one)? YES NO
If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: Pond 15 - 300' x 100'
Pond 16 - 50' x 75'

Maximum depth: Pond 15 - 8'-10'
Pond 16 - 5'-6'
estimated

Vegetation: emergent, overhanging, dominant species: Pond 15 - clumps of cattails + aquatic grasses at margins; near mixed oak woodland. Pond 16 - red algae on surface; blackberry, clumps of cattails + aquatic grasses
Substrate: silt/clay

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: _____

Depth at bank full: _____

Stream gradient: _____

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Bank description: _____

Perennial or Ephemeral (*circle one*). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

2 stock ponds on private property. Pond 16
could be surveyed from road, but only
portions of 15 are visible.

Uplands = pasture, rural residences, + mixed
oak woodland

Photos 40 + 42

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location

California Red-legged Frog Habitat Site Assessment Data Sheet

Site Assessment reviewed by _____

(FWS Field Office)

(date)

(biologist)

Date of Site Assessment: 08/21/2007

Site Assessment Biologists: Hitchcock, Erin

Camp, Julia

(Last name)

(first name)

(Last name)

(first name)

Site Location:

Placer County, Pond 17 Southwest of Longwood Rd.
(County, General location name, UTM Coordinates or Lat./Long. or T-R-S).

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If yes, attach a list of all known CRF records with a map showing all locations.

GENERAL AQUATIC HABITAT CHARACTERIZATION

(if multiple ponds or streams are within the proposed action area, fill out one data sheet for each)

POND:

Size: 250' x 100'

Maximum depth: 5'-6'
estimated

Vegetation: emergent, overhanging, dominant species: Algae on surface,
cattails, aquatic grasses, blackberry at margin.
Scattered live oak on banks.

Substrate: silty clay

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

STREAM:

Bank full width: _____

Depth at bank full: _____

Stream gradient: _____

Are there pools (circle one)? YES NO

If yes,

Size of stream pools: _____

Maximum depth of stream pools: _____

Characterize non-pool habitat: run, riffle, glide, other: _____

Vegetation: emergent, overhanging, dominant species: _____

Substrate: _____

Bank description: _____

Perennial or Ephemeral (circle one). If ephemeral, date it goes dry: _____

Other aquatic habitat characteristics, species observations, drawings, or comments:

Pond at edge of Long wood Road on private property. Poor visibility from road due to height of cattails & blackberry.

Uplands = Oak woodland, rural residence, + pasture with corrals.

Photo 41

Necessary Attachments:

1. All field notes and other supporting documents
2. Site photographs
3. Maps with important habitat features and species location